



ATS1745

Interface - ATS IP LAN Adapter

Connect ATS devices over your local network

Save time and money installing ATS systems with the new ATS1745 IP LAN Adaptor. The ATS1745 modules allow ATS RS-485 LAN data to be carried over an IP network. This provides an IP connection between a n ATS Master or ATS Advanced panel and its LAN devices such as readers and keypads (RAS/RKP), expanders including Intelligent Door/Lift Controllers (DGP/EXP)) reducing the need for dedicated wiring of two-pair twisted cable (WCAT52 or WCAT54). The ATS1745 also enables physically separate segments of the ATS RS-485 LAN to be linked together over a local IP network, either to extend distance or inexpensively utilise existing IT infrastructure.

It is perfect for connecting a panel to a remotely located RAS, DGP or Door/Lift Controller where it is costly to run cable but where IP connections are readily available (subject to network performance requirements).

ATS1745 modules provide securely-encrypted IP communications via a unique 128-bit encryption key.

ATS1745 modules are configured as either the start of line module (SLM) or an end-of-line module (ELM). The SLM connects to the ATS panel while the ELMs provide IP links for all of a ATS Master or ATS Advanced system's LAN devices. An SLM can support up to 31 ELMs to include 15 DGPs and 16 RASs per panel LAN bus connection. The ATS1745 can be configured easily and conveniently over the IP network via a Web browser.

Standard Features

- ATS 485 Bus device
- Connects two or more ATS devices over a local IP connection
- Supported on ATS Master
- 128 bit AES secure data communication
- Easy configuration using built-in web server
- Up to 31 End-Of-Line modules connected over IP to 1 Start-Of-Line module
- Device can set as Start-Of-Line or End-Of-Line module
- Network Test Tools allows to check network latency and suitability

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Specifications

Power supply Operating voltage	10.5 - 14VDC
Operating current (typical)	110 mA
Configuration No of SLM to ELMs	1 SLM to 1 - 31 ELM
Max. cabling distance SLM to ELM over IP	Determined by IT network infrastructure and network latency
Panel to SLM	Max. 1.5 km as per ATS 485 databus specifications
ELM and ATS device	Max. 1.5 km as per ATS 485 databus specifications
Operating environment Temperature	0 to 40°C
Max. relative humidity	93% non condensing
Physical Dimensions (w x h x d)	50 x 80 x 20 mm
Weight	31g
IP network related Latency (max)	30 ms one-way

Ordering Information

Part No.	Description
ATS1745	Interface - ATS IP LAN Adapter
ATS1740	ATS RS485 isolator/repeater
ATS1741	ATS RS485 to RS232 interface
ATS1742	ATS RS485 closed loop module
ATS1743	ATS RS485 to optical fibre interface

